

**Santa Clara – PacifiCorp Power Company
Ditch Maintenance Inspection
SEAA 1248**

Notes from Site Visit on Friday March 14, 2008,
Prepared by: Mike Silva, Field Services-Distribution Engineer
Division of Water Rights

Larry Staheli of PacifiCorp contacted Mike Silva regarding site inspection of work completed to date on the Power Company Ditches, prior to turning water into the ditch. The system has been off line most of this winter while repairs and maintenance was done. This is a synopsis of this inspection.

Met Larry Staheli, Roy Jukes and two Pacific Corp Employees, LeGrand and ? at 8AM at the Veyo Power Plant in Veyo Utah. After a brief discussion, Jay Leavitt arrived and we started the site tour.

Note that the Veyo plant was running however water below the plant was being diverted back to the river via a gate and flashboards. Water to MP 3 was not running. Some work with the backhoe was being done to clean sand from the diversion gate structure just below the plant. Then the gate to the river was shut, and water was then directed to the MP3 towards the Siphon. Jay Leavitt collected 2 small trout and placed them into the canal.

I inspected the 1.5" tap from the Veyo penstock. The ball valve jacket/housing was cracked and appeared to be leaking. Recommended to Roy Jukes that this water right be investigated and determine if it is valid. Either way, the valve needs to be replaced or the tap capped off if it is not valid. Division records do not show a POD at this location, however there was some concession from PacifiCorp to provide water in exchange for an easement. The Division does not recognize this as a valid water right.

Inspected flume (MP2) above Veyo power plant, a new gauge was installed and the area around flume has been cleaned. Larry described that there were still problems with sand accumulation in front of the flume but this would be remedied by new work at the diversion up stream, planned for the fall (subject of extension letter) . This diversion would have a sluice gate installed to move sand to the river not into the power company ditch. Larry will be reading this gauge and recording readings.

Inspected flume (MP3) downstream of the Veyo plant, new grout on the leading edge was in place and there was a new staff gage. Some rust had been scraped from the sides however there was some residual (dried) moss growth on the concrete wing walls and in part of the flume that had not been removed.

Portions of the canal run between the Veyo power plant and the siphon had been cleaned and some vegetation was removed but not all.

SCANNED

At the inlet to the siphon area, Martin, a Stonefly employee was putting the finishing touches on a new galvanized metal ramp flume with stilling basing, newly installed in the ditch, just above the siphon. Note that the ramp flume was not level side to side, the concrete was poured the previous day had settled. This could not be remedied as the water was headed down the canal in the next few minutes. Readings will be referenced from the midpoint of the ramp deck. This will replicate the MP3 device minus some ditch loss, providing a comparable measurement at the top of the Siphon.

Ditch from siphon to highway had been spot cleaned in some locations by the PacifiCorp staff. There was one area just above the highway crossing about 250' that was being worked by the backhoe to repair a bank leak. This area had obvious signs of phreatophyte growth where the repair was being done.

PacifiCorp had contracted with Jay Leavitt's excavator to clean the entire ditch run from Highway crossing flume (MP4) past the Upper sand cove flume (MP5) to the inflow to Upper Sand Cove Resvr. This work also provided a driving surface along the banks. The area around the MP5 Flume was also cleaned and staff gauge was made readable. Jay had also burned off some of the cattail growth around the pond perimeter.

Jay Leavitt and I inspected the Veyo irrigation downstream of siphon on ditch above Ed Behling – This is known as the Spencer Prim area, 2 flumes had some work done but not enough. Jay will work with Stuart Bowler to show him what needs to be done.

Later Jay and I inspected the Baker Campground flume (MP1) has new tower and conduit installed for piezometer for MP1 Flume recently installed by Stonefly for WCWCD. Some minor cleaning of vegetation was done around the flume here. This station will also have a piezometer installed to monitor water elevation in Baker Reservoir and the outlet Discharge in the 3' flume below the Dam.

Pacific Corp has yet to complete the canal lining. There was additional work done below the tailrace for the Sand Cove Generation station that was not inspected.

Site Inspection photos attached as hard copy.